Special Issue

Separation and Speciation of Emerging Pollutants in Soil and Groundwater

Message from the Guest Editor

This Special Issue aims to highlight the latest developments in analytical techniques for separating and speciating these pollutants, with a focus on innovative methods and interdisciplinary approaches. We welcome contributions that explore novel extraction techniques, such as solid-phase extraction (SPE), liquid–liquid extraction (LLE), and ultrasound-assisted extraction (UAE), as well as advanced chromatographic and mass spectrometric methods for the identification and quantification of emerging pollutants in complex environmental matrices. Studies addressing the behavior, mobility, transformation, and ecological impacts of these pollutants in soil and groundwater are particularly encouraged. Topics of interest include but are not limited to:

- Advanced separation technologies for emerging pollutants;
- Speciation analysis of pollutants in soil and groundwater;
- Environmental behavior and transformation of emerging contaminants;
- Extraction methods optimized for complex matrices;
- Case studies on pollutant distribution and risk assessment.

Guest Editor

Dr. Enzhu Hu
School of Metallurgy, Northeastern University, Shenyang, China

Deadline for manuscript submissions

closed (10 August 2025)

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

mdpi.com/journal/separations

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About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).